

Amendments To The Claims:

Please amend the claims as shown.

1 – 10 (cancelled)

11. (currently amended) A wind power unit and a flow field, comprising:

a mast positionable to receive a laminar flow along a path having a direction generally transverse to a direction along which the mast has a variable width, the mast including a maximum width measurable in a direction transverse to the laminar flow;

a nacelle associated with the mast;

a rotor associated with the nacelle;

a plurality of rotor blades, at least one rotor blade having a plurality of recesses each having the shape of a hemisphere or each having the shape of a half tear-drop, each recess positioned the same distance from all adjacent recesses, to improve flow arranged on the rotor blades approximately in the region between the transition point between laminar and turbulent flow and the final edge of the rotor blade and the shape and configuration of the recesses are designed such that as the air sweeps past the recess, an eddy forms in the recess that assists the passage of the air and accelerates the air volume,

the mast characterized by a transition point along the flow path wherein a flow portion:

(i) has predominantly laminar characteristics when travelling toward the transition point; and (ii) is characterized by turbulent flow when travelling away from the transition point, and

wherein the transition point is positioned relative to a second point on the mast coinciding with the maximum width such that the flow portion first passes along the second point before passing the transition point.

12. (currently amended) The wind power unit according to claim 11, wherein the recesses are also arranged on ~~a component selected from the group consisting of: the mast, the gondola, and the rotor.~~

13 - 14. (canceled)

15. (previously presented) The wind power unit according to claim 11, wherein the recesses are arranged in rows.

16. (currently amended) The wind power unit according to claim 15, wherein the rows are arranged offset with ~~in~~ respect to ~~of~~ each other.

17. (previously presented) The wind power unit according to claim 11, wherein the recesses are configured on a flat support material, which can be fixed on or to the wind power unit.

18. (previously presented) The wind power unit according to claim 17, wherein the support material is a film.

19. (previously presented) The wind power unit according to claim 11, wherein a structure and profiles of the rotor blades are tailored to a stall speed as modified by the recesses.

20. (previously presented) The wind power unit according to claim 11, wherein control software is tailored to a stall speed as modified by the recesses.

21. (previously presented) The wind power unit according to claim 11, wherein a component surface is not susceptible to dirt and ice.

22. (currently amended) A wind power unit and a flow field, comprising:
a mast;
a nacelle associated with the mast;
a rotor associated with the nacelle; and
a plurality of rotor blades, wherein ~~at least one of the mast, nacelle and rotor~~ each include along a surface thereof a plurality of recesses each having the shape of a hemisphere, each recess positioned the same distance from all adjacent recesses, wherein the shape and configuration of the hemisphere recesses are designed such that as the air sweeps past a recess, an eddy forms in the recess that assists the passage of the air and accelerates the air volume.

23. (previously presented) The unit and flow field of claim 22 wherein one or more of the rotor blades includes a plurality of teardrop shaped recesses each positioned the same distance from all adjacent recesses.

24. (currently amended) The unit and flow field of claim 22 wherein the recesses along the mast surface are configured to reduce the region of turbulent flow so that turbulence behind the unit is smaller, having less influence on any wind power machines positioned behind the unit.